

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 771180-, DeKalb County  
BRZLB-0089-00(007)  
Linecrest Road over Conley Creek

**OFFICE** Preconstruction

**DATE** June 23, 2008

**FROM**



Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO**

SEE DISTRIBUTION

**SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

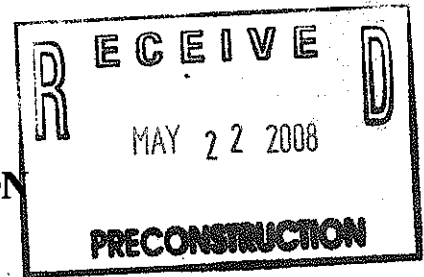
Attachment

**DISTRIBUTION:**

Brian Summers  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Scott Lee  
Paul Liles  
Bryant Poole  
Mike Lobdell  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE



**FILE:** BRZLB-0089-00(007), DeKalb County  
Linecrest Road over Conley Creek  
P. I. NO. 771180

**OFFICE:** District Seven  
Chamblee

**DATE:** May 15, 2008

*M. J. Lee*  
**FROM:** Bryant Poole, District Engineer

**TO:** Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT: Revised Project Concept Report**

Attached is the original copy of the Revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The intersection of the proposed Linecrest Extension and Fairview Road has been revised. Due to public comments, Ward Lake road now will remain open. The current configuration proposed a 3 legged signalized intersection with Ward Lake being closed. The revised configuration will be a 4 legged signalized intersection with Fairview Road and Ward Lake road aligning.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

**DATE:** 5/21/08

*Angela S. Alexander*  
State Transportation Planning Administrator

**Distribution:**

Brian Summers, P.E.  
Glenn S. Bowman, P.E.  
Keith Golden, P.E.  
Angela T. Alexander  
Jamie Simpson  
Paul Liles, P.E.

# REVISED PROJECT CONCEPT REPORT

## Need and Purpose:

The proposed Linecrest Road project is located in DeKalb County, southeast of the City of Atlanta, Georgia, near the DeKalb and Henry County line. Currently, there is no access provided over Conley Creek. East-west travel between Bouldercrest Road and Ward Lake Road currently carries traffic through residential areas. The completion of the proposed bridge would provide new access to Seminole Road Landfill (situated on Ward Lake Road), thereby reducing landfill traffic in residential areas. Also, the addition of sidewalks along the proposed road would encourage alternatives to single-occupancy vehicles (SOVs) in the area. The projected traffic of the proposed project is 3,600 vehicles per day in the build year (2005) and 14,700 vehicles per day in the design year (2025). Ward Lake Road currently carries 6,070 vehicles per day and is projected to carry 13,700 vehicles per day in 2025. With the construction of the proposed road, traffic volumes on Ward Lake Road could be reduced by 60-percent in the build year (2005), and by up to 93-percent by the design year (2025).

## Project location:

The proposed Linecrest Road is located in DeKalb and Clayton Counties, southeast of the City of Atlanta, Georgia, near the DeKalb/Henry County line. Project BRZLB-89(7) is an addition to the existing Linecrest Road. The proposed roadway is on new location. It begins 0.04 mile south of DeKalb County/Clayton County line at Bouldercrest Road and extends eastward for 0.94 mile, 0.14 mile to the east of Fairview Road, to tie in with the existing Linecrest Road. A new sanitation facility is proposed at this site. The new facility will be located in the northwest quadrant of the proposed intersection at the project terminus. The existing Ward Lake Road will be turned into a cul-de-sac, ending just north of the proposed facility. The proposed roadway typical section consists of two 12-foot travel lanes, one in each direction, with curb and gutter. On the left side of the roadway, there is a 18.5-foot shoulder with a 10-foot sidewalk. A 10-foot shoulder with a 5-foot sidewalk is included for the right side of the roadway. The proposed 250-foot bridge will be 49 feet wide, including two 12-foot lanes, two 2-foot shoulders, a 12.5-foot sidewalk and parapet on the left side, and a 6-foot sidewalk and parapet on the right side.

## Description of the approved concept:

The proposed project will provide the only access point over Conley Creek. It will also provide an alternate for traveling between Bouldercrest Road and Ward Lake Road/Fairview Road, alleviate the existing east-west traffic through residential areas. The proposed project consists of 250-feet of roadway, including a 30-foot approach slab, west of the bridge, a new 354-foot bridge over Conley Creek and 150-feet of roadway, including a 30-foot approach slab, east of the bridge.

A concept revision was submitted on December 29, 2004 and approved. The following changes were made in that revision:

**Project Termini** - The project will begin at Bouldercrest Road, approximately 70ft south of the existing intersection with Whitfield Road. It will end at Fairview Road, where it will tie in with the existing Linecrest Road. The through movement from Bouldercrest Road to Fairview Road/existing Linecrest Road will be terminated. Ward Lake Road will be turned into a dead end road ending just north of existing intersection of Ward Lake Road/Fairview Road/Linecrest Road. The length of project will be increased from 0.14 mile to 1.08 miles.

**Roadway Typical Section** - A 5-foot sidewalk, along with a 2-foot strip of stamped concrete, will be added to the right shoulder. The width of the right shoulder will remain at 10 feet.

**Bridge Length** - The revised bridge length will be 250 feet.

**PDP Classification:** Minor

**Federal Oversight:** Full Oversight ( ), Exempt ( X ), SF ( ), Other ( )

**Functional Classification:** Local Road

**U. S. Route Number(s):** None **State Route Number(s):** None

**Traffic (AADT) as shown in the approved concept:**

Current Year: (2005) 3,600 Design Year: (2025) 14,700

**Proposed features to be revised:**

**Revised Alignment** - In the approved concept, Ward Lake was to be closed and Fairview tied into the Linecrest Extension to provide a 3-legged signalized intersection. After public concerns, Ward Lake Road will now remain open. The intersection will be revised to a 4-legged signalized intersection with Ward Lake Road and Fairview Road aligned. \*

**Describe the revised feature(s) to be approved:**

**Revised Alignment** - Ward Lake Road will be realigned to the east to align with Fairview Road to provide a 4-legged signalized intersection.

**Updated traffic data (AADT):**

Current Year: (2010) 4,770 Design Year: (2030) 10,250

**Programmed/Schedule:**

P.E. 2003  
1999

R/W: LOCAL  
2008

Construction: 2009

**VE Study Required:** Yes() No(X)

**Revised cost estimates:**

1. Construction cost including E&C
2. Right of Way

**Is the project located in a Non-attainment area?** X Yes        No. Concept is consistent with the model which indicates the construction and extension of Linecrest Road.

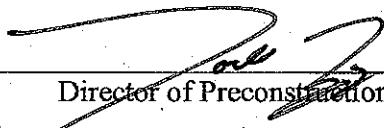
**Recommendation:** It is recommended that the proposed revisions to the concept be approved for implementation.

**Attachments:**

1. Sketch Map,
2. Cost Estimate,
3. Typical Section
4. Traffic Analysis

- Exempt projects


Concur: \_\_\_\_\_

  
Director of Preconstruction

Approve: \_\_\_\_\_

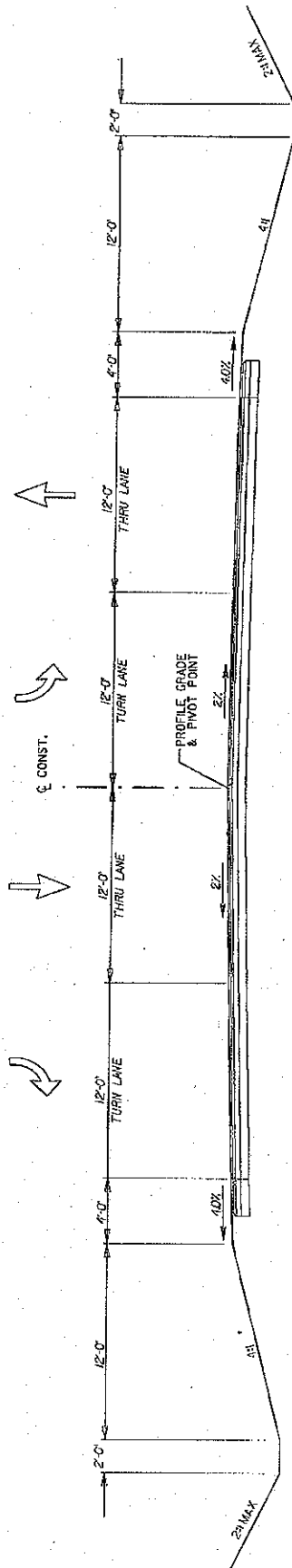
  
Chief Engineer

Linecrest Road

<b>ARCADIS G&amp;M</b> <b>Project No: 62812-17</b> <b>Date: January 2008</b> <b>Client: DeKalb County</b> <b>Client Project No: BRZLB-0089-00(007)</b> <b>Description: CR 164/Linecrest Road over Conley Creek</b>					
					
ESTIMATE OF PROBABLE CONSTRUCTION COST					
Item No.	Item Description	Unit	Quantity	Price	Cost
<b>ITEMS</b>					
150-1000	TRAFFIC CONTROL - PROJECT NO. BRZLB-89(7)	LS	LUMP	\$100,000.00	\$100,000
210-0100	GRADING COMPLETE - PROJECT NO. BRZLB-89(7)	LS	LUMP	\$800,000.00	\$800,000
310-1101	GRADED AGGR BASE CRS, INCLUDE. MATL	TN	10,800	\$18.00	\$194,400
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2	TN	2,440	\$80.00	\$195,200
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2	TN	2,695	\$80.00	\$215,600
402-3141	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2	TN	5,390	\$90.00	\$485,100
413-1000	BITUM TACK COAT	GAL	1,050	\$3.50	\$3,675
432-0204	MILL ASPH CONC. PVMT, 1 1/2"	SY	5,065	\$5.00	\$25,325
441-0104	CONC SIDEWALK, 4 IN	SY	6,050	\$70.00	\$423,500
441-0104A	CONC SIDEWALK, 4 IN, COLORED STAMPED	SY	1,210	\$45.00	\$54,450
441-6222	CONC. CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	11,085	\$32.00	\$354,720
550-1180	STORM DRAIN PIPE, 18 IN	LF	3,246	\$50.00	\$162,300
550-1240	STORM DRAIN PIPE, 24 IN	LF	1,324	\$60.00	\$79,440
550-1300	STORM DRAIN PIPE, 30 IN	LF	77	\$80.00	\$6,160
550-1420	STORM DRAIN PIPE, 42 IN	LF	486	\$110.00	\$53,460
550-4000	FES	EA	12	\$1,700.00	\$20,400
641-1200	GUARDRAIL, TP W	LF	1,830	\$25.00	\$45,750
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	8	\$600.00	\$4,800
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	12	\$2,000.00	\$24,000
668-1100	CATCH BASIN, GP 1	EA	39	\$2,800.00	\$109,200
668-2100	DROP INLET GP 1	EA	2	\$2,700.00	\$5,400
668-4300	STORM SEWER MANHOLE	EA	4	\$2,500.00	\$10,000
EROSION CONTROL					
639-3004	STEEL STRAIN POLE	EA	8	\$7,500.00	\$60,000
647-1000	TRAFFIC SIGNAL INSTALLATION @ Bouldercrest	LS	LUMP	\$100,000.00	\$100,000
647-1000	TRAFFIC SIGNAL INSTALLATION @ Fairview	LS	LUMP	\$100,000.00	\$100,000
	PAVEMENT MARKINGS AND SIGNING	LS	LUMP	\$35,000.00	\$35,000
BRIDGE					
	TEXAS RAIL	SF	11,200	\$95.00	\$1,064,000
		LF	470	\$225.00	\$105,750
SUBTOTAL					
ENGINEERING @ 5%					\$5,012,630
CONTINGENCY @ 12%					250,631
TOTAL CONSTRUCTION COST					631,549
				\$	5,894,852
RIGHT-OF-WAY					LOCAL
UTILITIES					LOCAL
TOTAL PROJECT COST					5,894,852

6/13/08

STATE	PROJECT NUMBER	SHEET	TOTAL
GA	8025-0085-00007	1	1
REVISION DATES			



WARD LAKE ROAD  
TYPICAL SECTION

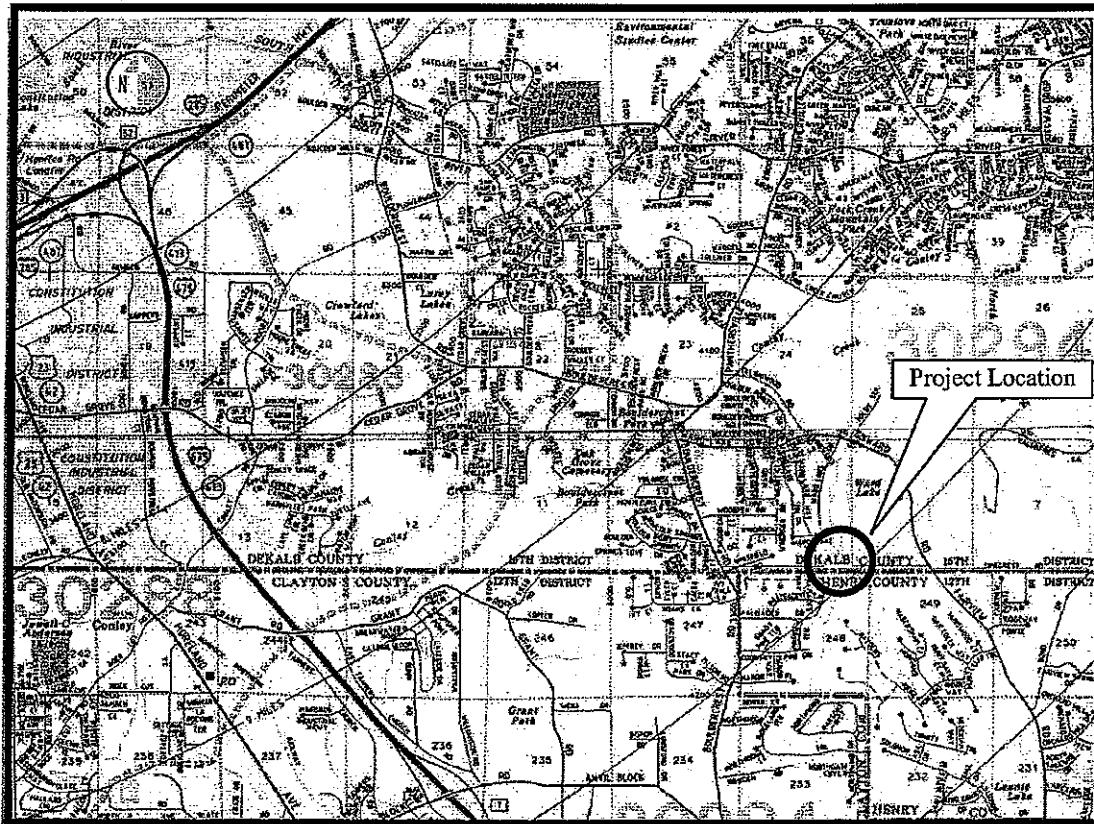
GRAPHIC NO.

LINECREST ROAD  
TYPICAL SECTION



ARCADIS G&M

## Regional Map



## Project Location Sketch

